Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/14/2021 08:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123997	-1	1.64	123870	1.61
Blue	F	SSC	125000	124612	-1	2.95	124838	2.74
Blue	E	FITC	13131	12700	-4	2.69	293	16.27
Blue	D	PE	24112	23669	-2	2.20	540	11.40
Blue	B	PerCP-Cy5-5	31295	30505	-3	3.47	1011	15.12
Blue	A	PE-Cy7	19939	19513	-3	5.62	521	30.14
Red	C	APC	42122	41437	-2	2.86	1741	11.48
Red	A	APC-Cy7	22340	21686	-3	3.15	811	11.65
Violet	B	V450	7410	7029	-6	3.85	434	12.73
Violet	A	V500	28118	27086	-4	3.39	679	10.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22248	2.62	588	19	N/A	N/A	Pass
Blue	F	SSC	57983	1.26	524	12	N/A	N/A	Pass
Blue	E	FITC	54	58.52	489	2	0.0402	245	Pass
Blue	D	PE	114	38.92	492	4	0.3690	320	Pass
Blue	B	PerCP-Cy5-5	189	37.07	588	2	0.0184	69	Pass
Blue	A	PE-Cy7	104	69.05	630	2	0.0204	0	Pass
Red	C	APC	403	24.33	581	5	0.0272	197	Pass
Red	A	APC-Cy7	182	27.86	554	3	0.0063	1246	Pass
Violet	B	V450	62	62.17	462	9	0.0571	2212	Pass
Violet	A	V500	97	36.68	474	9	0.0254	1162	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.68	-31.42	1.01
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.13	13.60 - 20.40	N/A	N/A	29.85	30.08	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10320

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments